

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/013561

		PCT/JP2	004/013361
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER  GOIN27/409, GOIN27/41, GOIN27	7/30, H01M4/90	
According to Int	ternational Patent Classification (IPC) or to both nationa	ıl classification and IPC	
B. FIELDS SE	EARCHED		
Minimum docum	mentation searched (classification system followed by cla		
Int.Cl	<sup>7</sup> G01N27/24-27/49, H01M4/86-4/9	90, H01M8/02	
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			fields corrobed
Documentation:	searched other than minimum documentation to the extension Shinan Koho 1922–1996 To	oroku Jitsuvo Shinan Koho	1994-2004
	Shinan Koho 1922-1996 To Titsuyo Shinan Koho 1971-2004 Ji		1996-2004
	base consulted during the international search (name of c		rms used)
JICST	base consulted during the international search (name of c File (JOIS)	and oute and, where practicable, scalet to	· 
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
- Careguly	<u></u>		
	JP 63-319050 A (Tanaka Kikin Kabushiki Kaisha),		
	27 December, 1988 (27.12.88),		1 10
X	Claims; page 2, upper right o		1-10
Υ .	to 15; Fig. 1 Claims; page 2, upper right of	column. lines 7	11-12
<b>1</b>	to 15; Fig. 1		
1	(Family: none)		
v	JP 2003-317728 A (Ube Indust	ries. Ltd \	1-10
X	07 November, 2003 (07.11.03),	,	
I	Claims; Par. Nos. [0022] to [		1.
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I	(Family: none)		•
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× Further do	ocuments are listed in the continuation of Box C.	See patent family annex.	
Special cate	gories of cited documents:	"" Inter-decompost published after the in	ternational filing date or priority
"A" document d	defining the general state of the art which is not considered ticular relevance	date and not in conflict with the appli the principle or theory underlying the	invention
•	ication or patent but published on or after the international	"X" document of particular relevance; the	claimed invention cannot be sidered to involve an inventive
"L" document w	which may throw doubts on priority claim(s) or which is	step when the document is taken alor	ne
	ablish the publication date of another citation or other on (as specified)	"Y" document of particular relevance, the considered to involve an inventiv	e cien when the accument is
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than		combined with one or more other such documents, such combination being obvious to a person skilled in the art	
	ublished prior to the international filing date but later than date claimed	"&" document member of the same paten	nt family
Date of the actus	al completion of the international search	Date of mailing of the international sc	arch report
	ober, 2004 (19.10.04)	09 November, 2004	(09.11.04)
Name and mailin	ng address of the ISAV	Authorized officer	
	se Patent Office		
Facsimile No.		Telephone No.	
orm PCT/ISA/21	10 (second sheet) (January 2004)		

	INTERNATIONAL SEARCH REPORT		International application No. PCT/JP2O04/013561	
C (Continuation	n). DOCUMENTS CONSIDERED TO BE RELEVANT	·····	·	
Category*	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.	
Υ .	JP 2003-282077 A (Furuya Metal Co., Ltd 03 October, 2003 (03.10.03), Full text; Figs. 1 to 9 (Family: none)	1.),	11-12	
. P,A	JP 2004-103549 A (Takashi GOTO), 02 April, 2004 (02.04.04), Full text; all drawings (Family: none)		1-12	
	JP 2001-250563 A (Matsushita Electric Industrial Co., Ltd.), 14 September, 2001 (14.09.01), Full text; all drawings		1-12	
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